

FIG. 1

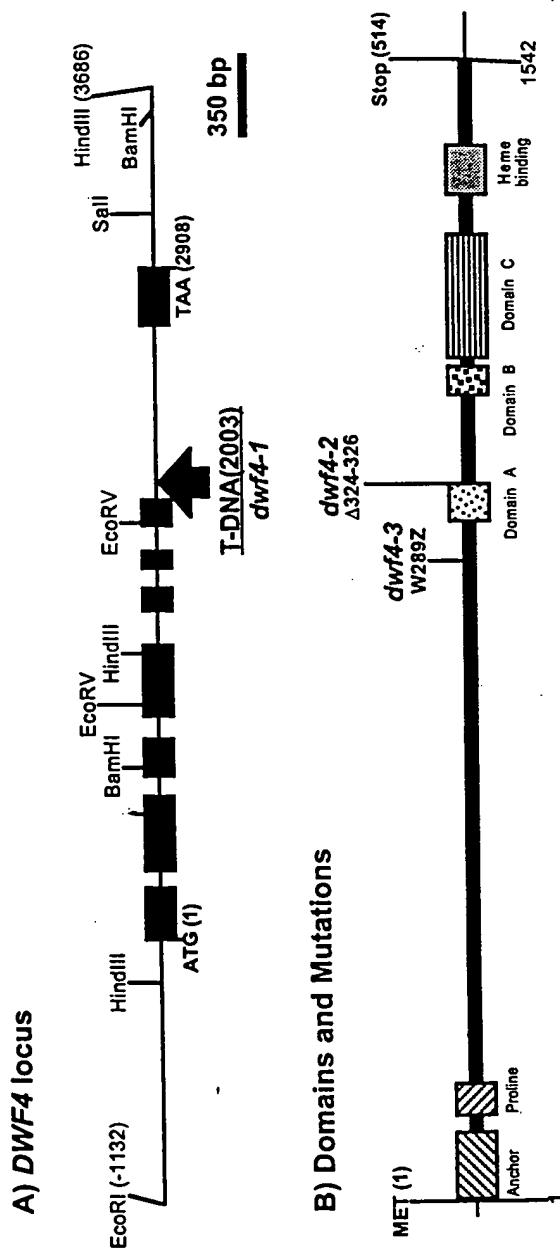


FIG. 2

DWF4<CYP90B>
 CPO<CYP90A>
 Tomato<CYP85>
 CYP<CYP120>
 Maize<CYP88>
 Zebrafish<CYP26>
 Human<CYP3A3X>
 CONSENSUS

	10	20	30	40	50	60	70
DWF4<CYP90B>	M P E F I T E H H Y L L P L I I						
CPO<CYP90A>		A F I L L I					
Tomato<CYP85>	M A F F						
CYP<CYP120>		A F I F					
Maize<CYP88>							
Zebrafish<CYP26>							
Human<CYP3A3X>							
CONSENSUS							

ANCHOR REGION

	80	90	100	110	120	130	140	150
DWF4<CYP90B>	N P P G S G G P L G E T I	G Y G L K P I T A T T L G	M O O H Y S K V D	K I V Y R S N I	S G E P T Y	V S A D O G L N R F I	I O M E G	R I F E C S Y P R I S T / G G I
CPO<CYP90A>	G L P P G S L G G P L I	G E T I F O I T G A D I	T E N E P F D E R I V A	S V F M T H L F G E P T I	F S A D P E T	N R F I I O M E G	R I F E C S Y P R I S T / G G I	
Tomato<CYP85>	G L P P G S L G G P L I	G E T I F O I T G A D I	T E N E P F D E R I V A	S V F M T H L F G E P T I	F S A D P E T	N R F I I O M E G	R I F E C S Y P R I S T / G G I	
CYP<CYP120>	G L P P G S L G G P L I	G E T I F O I T G A D I	T E N E P F D E R I V A	S V F M T H L F G E P T I	F S A D P E T	N R F I I O M E G	R I F E C S Y P R I S T / G G I	
Maize<CYP88>	G L P P G S L G G P L I	G E T I F O I T G A D I	T E N E P F D E R I V A	S V F M T H L F G E P T I	F S A D P E T	N R F I I O M E G	R I F E C S Y P R I S T / G G I	
Zebrafish<CYP26>	G L P P G S L G G P L I	G E T I F O I T G A D I	T E N E P F D E R I V A	S V F M T H L F G E P T I	F S A D P E T	N R F I I O M E G	R I F E C S Y P R I S T / G G I	
Human<CYP3A3X>	G L P P G S L G G P L I	G E T I F O I T G A D I	T E N E P F D E R I V A	S V F M T H L F G E P T I	F S A D P E T	N R F I I O M E G	R I F E C S Y P R I S T / G G I	
CONSENSUS	G L P P G S L G G P L I	G E T I F O I T G A D I	T E N E P F D E R I V A	S V F M T H L F G E P T I	F S A D P E T	N R F I I O M E G	R I F E C S Y P R I S T / G G I	

PROLINE

	160	170	180	190	200	210	220	230	240
DWF4<CYP90B>	L G K W S M I V L V C D M H D M R S I	L L M F S I F S H A R L R T I	L L K D V E R H I L F V I	D S W	— O O N	S I F S A G	B A K K F	F N L M A R K H I	W S M D P G E E E
CPO<CYP90A>	L G K W S M I V L V C D M H D M R S I	L L M F S I F S H A R L R T I	L L K D V E R H I L F V I	D S W	— O O N	S I F S A G	B A K K F	F N L M A R K H I	W S M D P G E E E
Tomato<CYP85>	L G K W S M I V L V C D M H D M R S I	L L M F S I F S H A R L R T I	L L K D V E R H I L F V I	D S W	— O O N	S I F S A G	B A K K F	F N L M A R K H I	W S M D P G E E E
CYP<CYP120>	L G K W S M I V L V C D M H D M R S I	L L M F S I F S H A R L R T I	L L K D V E R H I L F V I	D S W	— O O N	S I F S A G	B A K K F	F N L M A R K H I	W S M D P G E E E
Maize<CYP88>	L G K W S M I V L V C D M H D M R S I	L L M F S I F S H A R L R T I	L L K D V E R H I L F V I	D S W	— O O N	S I F S A G	B A K K F	F N L M A R K H I	W S M D P G E E E
Zebrafish<CYP26>	L G K W S M I V L V C D M H D M R S I	L L M F S I F S H A R L R T I	L L K D V E R H I L F V I	D S W	— O O N	S I F S A G	B A K K F	F N L M A R K H I	W S M D P G E E E
Human<CYP3A3X>	L G K W S M I V L V C D M H D M R S I	L L M F S I F S H A R L R T I	L L K D V E R H I L F V I	D S W	— O O N	S I F S A G	B A K K F	F N L M A R K H I	W S M D P G E E E
CONSENSUS	L G K W S M I V L V C D M H D M R S I	L L M F S I F S H A R L R T I	L L K D V E R H I L F V I	D S W	— O O N	S I F S A G	B A K K F	F N L M A R K H I	W S M D P G E E E

Domain A

	250	260	270	280	290	300	310	320
DWF4<CYP90B>	T E . - - - - - K L K E E V T F M K	G V V S A P L N L P G I	V H K A L Q S R A T I L K F I	E R K M E E R K L D I	K E E D O E E E E	E E V K T I E D E A E M S K	S D H V R K Q	O T D D
CPO<CYP90A>	T E . - - - - - K L K E E V T F M K	G V V S A P L N L P G I	V H K A L Q S R A T I L K F I	E R K M E E R K L D I	K E E D O E E E E	E E V K T I E D E A E M S K	S D H V R K Q	O T D D
Tomato<CYP85>	T E . - - - - - K L K E E V T F M K	G V V S A P L N L P G I	V H K A L Q S R A T I L K F I	E R K M E E R K L D I	K E E D O E E E E	E E V K T I E D E A E M S K	S D H V R K Q	O T D D
CYP<CYP120>	T E . - - - - - K L K E E V T F M K	G V V S A P L N L P G I	V H K A L Q S R A T I L K F I	E R K M E E R K L D I	K E E D O E E E E	E E V K T I E D E A E M S K	S D H V R K Q	O T D D
Maize<CYP88>	T E . - - - - - K L K E E V T F M K	G V V S A P L N L P G I	V H K A L Q S R A T I L K F I	E R K M E E R K L D I	K E E D O E E E E	E E V K T I E D E A E M S K	S D H V R K Q	O T D D
Zebrafish<CYP26>	T E . - - - - - K L K E E V T F M K	G V V S A P L N L P G I	V H K A L Q S R A T I L K F I	E R K M E E R K L D I	K E E D O E E E E	E E V K T I E D E A E M S K	S D H V R K Q	O T D D
Human<CYP3A3X>	T E . - - - - - K L K E E V T F M K	G V V S A P L N L P G I	V H K A L Q S R A T I L K F I	E R K M E E R K L D I	K E E D O E E E E	E E V K T I E D E A E M S K	S D H V R K Q	O T D D
CONSENSUS	T E . - - - - - K L K E E V T F M K	G V V S A P L N L P G I	V H K A L Q S R A T I L K F I	E R K M E E R K L D I	K E E D O E E E E	E E V K T I E D E A E M S K	S D H V R K Q	O T D D

Domain B

	330	340	350	360	370	380	390	400	410
DWF4<CYP90B>	H G W V L K	H S N	S T E O T L D P I	L S I L I F A G H E T	T S S V A I A C A	F F I Q O A C P K A V E E L R E E M H E I	A R A K K E L G E S E	N R D O Y	
CPO<CYP90A>	H G W V L K	H S N	S T E O T L D P I	L S I L I F A G H E T	T S S V A I A C A	F F I Q O A C P K A V E E L R E E M H E I	A R A K K E L G E S E	N R D O Y	
Tomato<CYP85>	H G W V L K	H S N	S T E O T L D P I	L S I L I F A G H E T	T S S V A I A C A	F F I Q O A C P K A V E E L R E E M H E I	A R A K K E L G E S E	N R D O Y	
CYP<CYP120>	H G W V L K	H S N	S T E O T L D P I	L S I L I F A G H E T	T S S V A I A C A	F F I Q O A C P K A V E E L R E E M H E I	A R A K K E L G E S E	N R D O Y	
Maize<CYP88>	H G W V L K	H S N	S T E O T L D P I	L S I L I F A G H E T	T S S V A I A C A	F F I Q O A C P K A V E E L R E E M H E I	A R A K K E L G E S E	N R D O Y	
Zebrafish<CYP26>	H G W V L K	H S N	S T E O T L D P I	L S I L I F A G H E T	T S S V A I A C A	F F I Q O A C P K A V E E L R E E M H E I	A R A K K E L G E S E	N R D O Y	
Human<CYP3A3X>	H G W V L K	H S N	S T E O T L D P I	L S I L I F A G H E T	T S S V A I A C A	F F I Q O A C P K A V E E L R E E M H E I	A R A K K E L G E S E	N R D O Y	
CONSENSUS	H G W V L K	H S N	S T E O T L D P I	L S I L I F A G H E T	T S S V A I A C A	F F I Q O A C P K A V E E L R E E M H E I	A R A K K E L G E S E	N R D O Y	

Domain C

	420	430	440	450	460	470	480	490	500
DWF4<CYP90B>	M K M D F T Q C V I N E T I L R G	N V W R F L H R K A L K D O V E Y	I P D G I P S G H W V K	P V I S A V I L O N S	S H D O P N L F E M P T W A	W Q O O N N G A S S S S G S G F S T			
CPO<CYP90A>	M K M D F T Q C V I N E T I L R G	N V W R F L H R K A L K D O V E Y	I P D G I P S G H W V K	P V I S A V I L O N S	S H D O P N L F E M P T W A	W Q O O N N G A S S S S G S G F S T			
Tomato<CYP85>	M K M D F T Q C V I N E T I L R G	N V W R F L H R K A L K D O V E Y	I P D G I P S G H W V K	P V I S A V I L O N S	S H D O P N L F E M P T W A	W Q O O N N G A S S S S G S G F S T			
CYP<CYP120>	M K M D F T Q C V I N E T I L R G	N V W R F L H R K A L K D O V E Y	I P D G I P S G H W V K	P V I S A V I L O N S	S H D O P N L F E M P T W A	W Q O O N N G A S S S S G S G F S T			
Maize<CYP88>	M K M D F T Q C V I N E T I L R G	N V W R F L H R K A L K D O V E Y	I P D G I P S G H W V K	P V I S A V I L O N S	S H D O P N L F E M P T W A	W Q O O N N G A S S S S G S G F S T			
Zebrafish<CYP26>	M K M D F T Q C V I N E T I L R G	N V W R F L H R K A L K D O V E Y	I P D G I P S G H W V K	P V I S A V I L O N S	S H D O P N L F E M P T W A	W Q O O N N G A S S S S G S G F S T			
Human<CYP3A3X>	M K M D F T Q C V I N E T I L R G	N V W R F L H R K A L K D O V E Y	I P D G I P S G H W V K	P V I S A V I L O N S	S H D O P N L F E M P T W A	W Q O O N N G A S S S S G S G F S T			
CONSENSUS	M K M D F T Q C V I N E T I L R G	N V W R F L H R K A L K D O V E Y	I P D G I P S G H W V K	P V I S A V I L O N S	S H D O P N L F E M P T W A	W Q O O N N G A S S S S G S G F S T			

HEME-BINDING

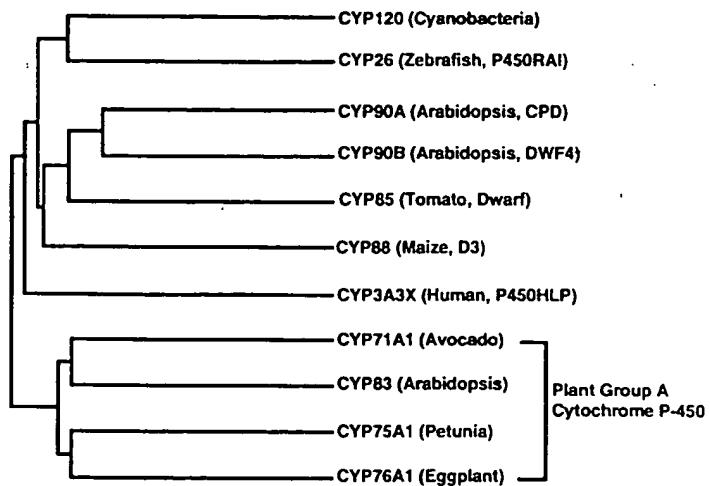


FIG. 4

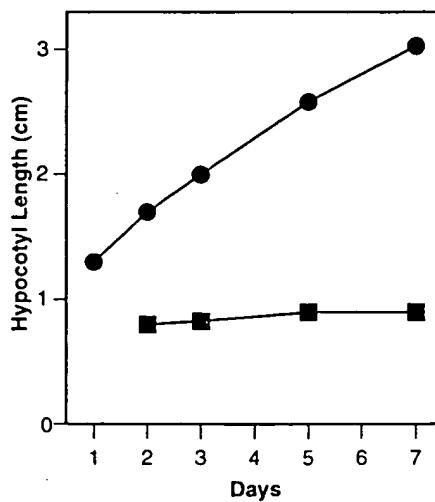


FIG. 5

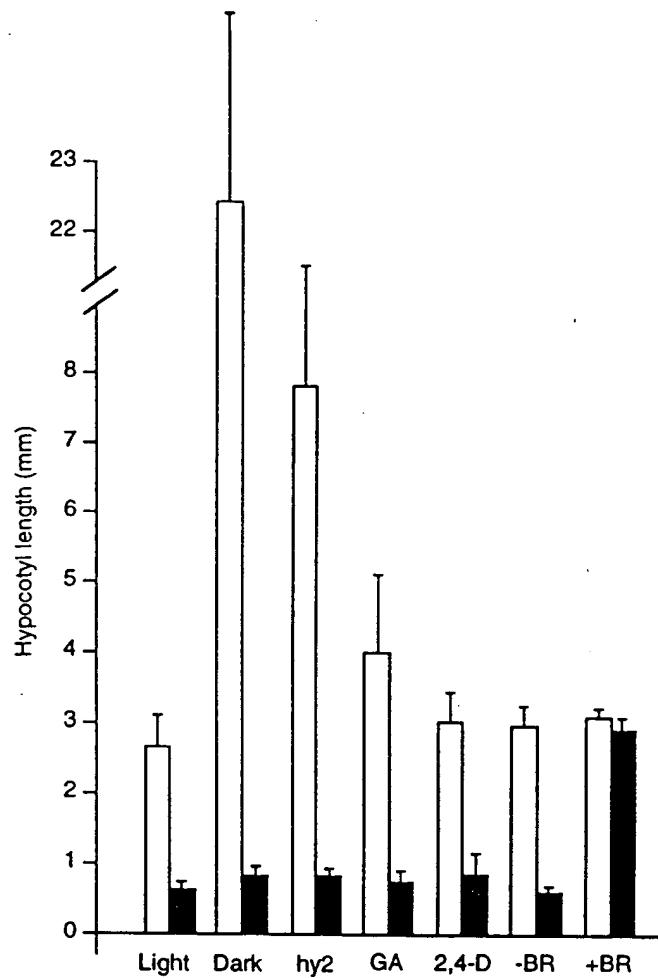


FIG. 6

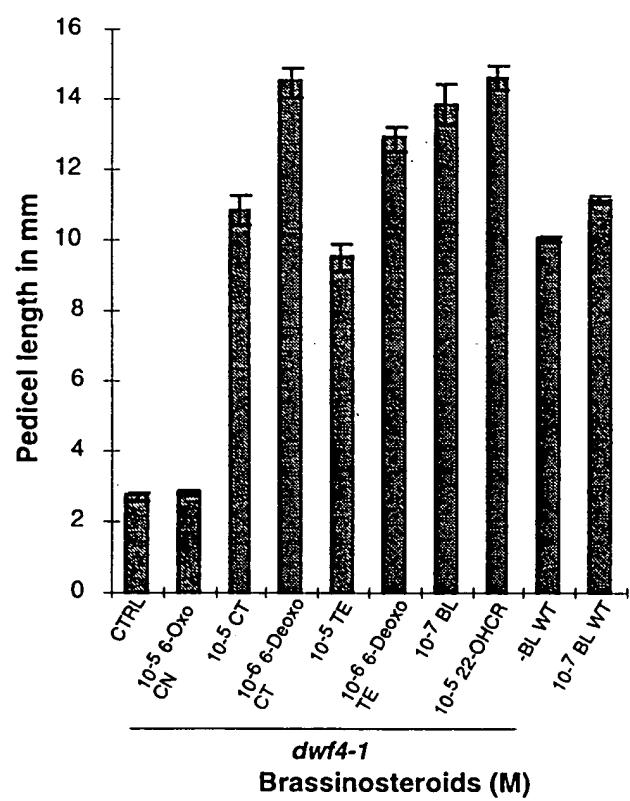
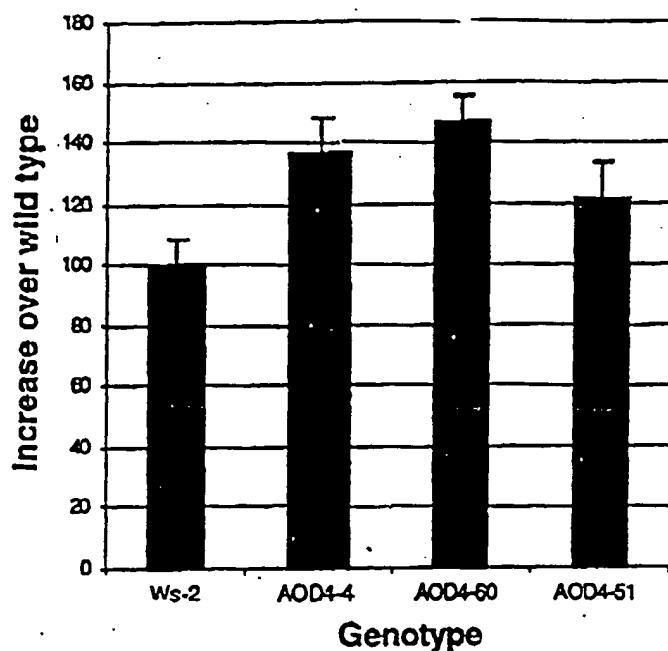
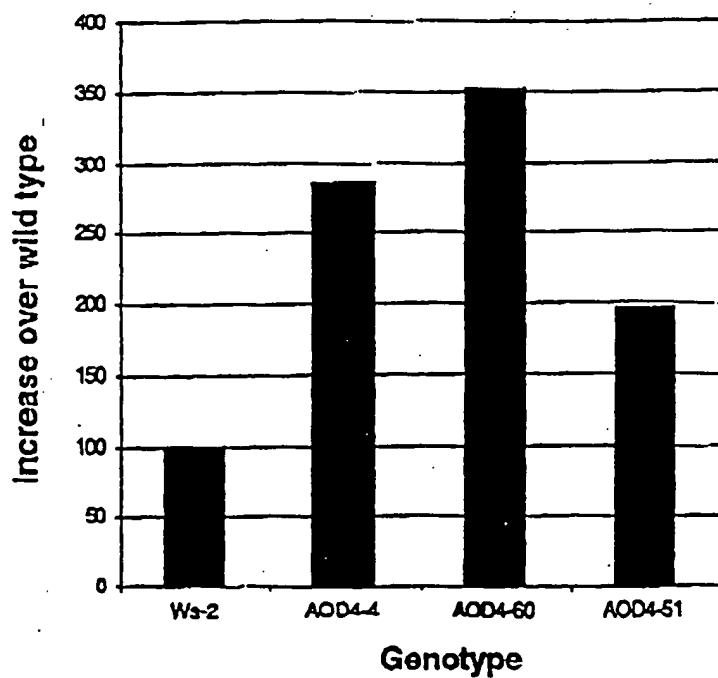


FIG. 7

Increase of stem growth**FIG. 8****Increased seed production due to DWF4 overexpression****FIG. 9**

1 ATGTGGGTATTATATTGTGGGTCGGTTGAGCTACAATATAAATTCTGTGTTCTGGT 60

61 TATTCTGTTCACATGATTGAGTTGGGTCAGATTGGATTCCAAGATAATTAAATATT 120

121 AAAATTCAATTAAAATATTACAAGTAATTAAATTATCTTACATTGTATTGTTATAACAA 180

181 AATATCTATCTTGGTATATGAGAAAATATGGAGTTGGAATTATAATAAAAGGAAA 240

241 TAATCGATTCCATTGGTGGATTACACAGTTAACAGTTAGTTGTGTTCTTGTATATGT 300

301 ATATGAGTAAATCAAAAAGAGTATTGATTGAAGTGTAAACATATTCTGTATGACCCCCA 360

361 AAAAAAAAACAAACAAACAAACCCCCCCCCGATATAGTTTGGTCTGGATT 420

421 AGGTTTATTGATCATAATTACATGCATCATTTCTTGTATTACTATGAAGATTTCTTAC 480

481 CAATTAAAATTCTGAATTCAATCTCTTGTATTAAATTAAATCGAGTGTGAATATCC 540

541 GTTTATCGATCACTCCAATCATGATTATGATTCTGTGCTAACAGCAAATTATTAACA 600

601 AGAGTATTGAGAAAAACGAAAATAAGAAAAGGGAAAGAGTAGTGACCCATGGAGTATG 660

661 TGAATAATTCAAAAGAGAATAAGAGATGACAACCAAAAGGGTGTGGAATAATGGTCCCT 720

721 GCCAGCTTCTCTCACAAATCAATATCGACCCATTGGATTCTGGATATTCTGTTAAAA 780

781 TTTGCGATAACGATTGTGAAAATATTATTGTAGCTGATCTCAATATTATGTTCCA 840

841 GGTATTGCATAATCTCTGTTAAAGCATATTGTCTTCTTGTCTCT 900

901 TAACTATATATTATCGCGGATATGATAACAATGATATATCACAAAACAATTGTCTGGG 960

961 ACCATTGAAATAAACTTTCTCAAACATTACGGGACACTGGACTCGACCCCTAAAATA 1020

1021 CGATTTACAGCGTCACTAGTTGAGATTACTAGCATAAAGCATAAAGGACCCGTTCAAGC 1080

1081 TATTATACAAAGTTACAAACTGAATATAGCTTCAAATCCTTAGAAAATTTGGAATTA 1140

1141 CCGGTTGTTATGTAATATAGATTTAGTGGTAAACAAATATGTTAATCAATTAGGGTCA 1200

1201 ACATATACATAATTCTTACAGAAAAACAAACTTAAGAGAAGTTAACATATCCATATAT 1260

1261 GGGTATGCTATACCTTCACGTATGCTACTAGAGACTAAAGAATAGTTATGTGATGTC 1320

1321 GATAAATGAAATTCACACCGTGGTAATAATTATGGGACCGTATGTTACGATCACTGCAA 1380

1381 ATATCATTCTGGTGGTCAACAATAAAAACAAAAACAAGAAAAAGAAAACGATTTTT 1440

1441 CTTGGATTCCATTCAATGATCTAAATGCATAGATCTTGGTACAGTTCAAGTCC 1500

1501 TCTACAAGCGTGTAAACCCTGCAACTATTAAATTGCTTCTTAATGCATCTAACAT 1560

1561 ATTTATTGTTAGTTGGAATTAAATAAGAGCGAACTTGTAAACATTACAATATTATATTAG 1620

1621 ATACTAGTATGTGATTATTCAAATACATACTTGGATGTTAAACTTAATCTTGTCT 1680

1681 TCCTACGGTATAAATATTAATCATCGAGGTAAAAAAAGTTTGTCTTATTCGCGATGC 1740

1741 ATGAAGGATAAACCTAATGACTTAATTGGAAAATGTAACCCTTACTCATAGATT 1800

1801 AATTACCGTATTTTGTGCCATAATGACAGCCTCTACAACTGTGATAGTCAATT 1860

1861 TCTGCAAATATTAAATTAGGAATTCAATGCTACTATCAATAGAAGAACAGCTGAGTATT 1920

1921 ACATTTAATTAAAGACAAATTGGAAAATGTTATAATTCTAACATATTAA 1980

1981 AATATGATGCCCTATAATGTATTCTATGTTCTAAAATATTTTTATATTAGTTA 2040

2041 TAAATACATTATGAACCAATAATAGTTGGTGAATTCAAATATCTCCATTAATATTTTG 2100

2101 AAATCTACAAATTATTAATATTAGTCATAACAATGCATAGAAAGTTCCAAAAAAATT 2160

2161 TTGTTAACAGAAACTTCAAATTTTTTTTATGGAACAAGAAATAACAGATAGAAAA 2220

2221 CTATTTGTTGGAATGGAAGTAGTAATATACATTAAGCAAATTAAAAATTATATA 2280

2281 AGCCTATACGCGCTCAAAGTATGTTATCTAGTAGGTGTAATTAAATGCATGGTGCAT 2340

2341 TCAGAATTGGGACAACAATGAAAACGGAATTAAAATATTAACCTTAAAATAAATAAAAT 2400

2401 TTGAGTAAATGTGTTCTGACTATTGAGGGGCAAAAAAGACAATGCCAAAAGTCTAC 2460

2461 GGGTTGACTGTCCAGTCGTAATAATCTAATAACTCTGCTTGACCGCACGCTCGTG 2520

2521 TAGGGGTCTTCTGACATTTCACTGTTCTACCCCTACTCGTAGGCCACCCCTTCCA 2580

2581 TATCCTAAGGGTAATTGGAAATCCAATTAAACCGATTGAGACCGTACCGGACTTCC 2640

2641 TGGGATTCTGCTGGAGCATTATCAAAATTATTAGCACGAATGGTTATTAAATTAAA 2700

2701 AACTCACAACTTGATCAGATAAAATTCTAAACACTTTACGATGGATTGTACGATCT 2760

2761 ATCTAATGACTTTCTACCAACGGTGGATGAAAGTTAGTACTATTAGCCAGAG 2820

2821 ACAATTGATTAGATATCCATTAATCCATGATATTATGATATAAATAGCTGTTAAA 2880

2881 CTATTCAGCATCGCAGCTTCTGCAACTTTGTTTAATTAAAGAGTTAATAAAATAA 2940

2941 AAGTATTAAAAGGAGCATAACGAGGAACAAAAGTAATGAACACGGAGAAACAAAAGCCA 3000

3001 TGAAGCTATTGGTTAGTTAAGCTTAATAAGAAGATTATTAAATTAAATGACGATG 3060

3061 ATAACAATTATTTCTGACTCTTAAAACCCCTCTTACAAACAGAAGCTCCCTTT 3120

3121 TCAGTAGAAGTCCGATTCCAATCTAAAGACAAAGCCATTAGAAAGAGAAAGTGA 3180

3181 GAGAGAGAGAGAAACTAGCTCCATGTTGAAACAGAGCATCATACTCTTACCTCTTCT 3240

exon 1

3241 TCTTCTCCCATCGTTGTCTCTCTTCTTGTATTCTCTGAAGAGAAGAAATAG 3300

3301 AAAAACCGAGATTCAATCTACCTCCGGTAAATCCGGTGGCCATTCTGGTAAACCAT 3360

3361 CGGTTATCTAACCGTACACCGCCACAAACACTCGGTGACTTCATGCAACAAACATGTCTC 3420

3421 CAAGTAAACAACAAACATCTCCAAAAACTCAAAAAATAATCCTCTGTTTGAAATT 3480

3481 GACTAATGTTGTTATTTACAGGTATGGTAAGATATATAGATCGAACTGTTGGAGAA 3540

exon 2

3541 CCAACGATCGTATCAGCTGATGCTGGACTTAATAGATTCAATTACAAAACGAAGGAAGG 3600

3601 CTCTTGAATGTTAGTTATCCTAGAAGTATAGGTGGGATTCTGGAAATGGTCGATGCTT 3660

3661 GTTCTTGGTGGTACATGCATAGAGATATGAGAAGTATCTCGCTTAACCTCTTAAGTCAC 3720

3721 GCACGTCTAGAACTATTCTACTAAAGATGTTGAGAGACATACTTGTGTTCTGAT 3780

3781 TCTTGGCAACAAAACCTATTTCTCTGCTCAAGACGAGGCCAAAAAGGTTTATTTT 3840

3841 ATCTTTATTTGCTAAATTTTGTATGAATCTTAGAGATTCTAACCTTTTTT 3900

3901 TTTAATTGAACAGTTACGTTAATCTAATGGCGAAGCATATAATGAGTATGGATCCTGG 3960

3961 AGAAGAAGAAACAGAGCAATTAAAGAAAGAGTATGTAACCTTCATGAAAGGAGTTGTCTC 4020

4021 TGCTCCTCTAAATCTACCAAGGAACGTGTTATCATAAGCTCTCAGGTACATTATTTT 4080

4081 TTTGCTGAAAGTCACAAACTCTCATTATAGGTTTAATTTATTTATGTGTTAAAT 4140

4141 AAAATATCTAAATGGTTGTGTAGTCACGAGCAACGATAATTGAAGTTCATGAGAGGAAA 4200

4201 ATGGAAGAGAGAGAAATTGGATATCAAGGAAGAAGATCAAGAAGAAGAAGTAAAACA 4260

4261 GAGGATGAAGCAGAGATGAGTAAGAGTGCATGTTAGGAAACAAAGAACAGACGATGAT 4320

4321 CTTTGGATGGGTTTGAAACATCGAATTATCGACGGAGCAAATTCTGATCTCATT 4380

4381 CTTAGTTGTTATTGCCGGACATGAGAcTTCTCTGTAGCCATTGCTCTCGCTATCTTC 4440

4441 TTCTGCAAGCTGCCCTAAAGCCGTTGAAGAGCTAGGGTAAGATAATTATAACAGCAC 4500

4501 AAGTTAATTACTACCAAATTGTTACGTATTATATAAGTTATTATAGAATTATTCTATTAG 4560

4561 AATATACGATGAAAAAGTATGTATATTAAATTGTCACTAATTATGTTATTGATT 4620

4621 TACTTTGAAGGAAGAGCATCTTGAGATCgCGAGGGCCAAGAAGGAACTAGGAGAGTCAG 4680

4681 AATAAATTGGGATGATTACAAGAAAATGGACTTACTCAATGTGTATGTTACTATCATT 4740

4741 CTCATTATTATTCTATGTTCATATGATTATGATGAAACAAAATTATTGATTTTTT 4800

4801 TTGGTGTGTGAAGGTTATAATGAAACTCTCGATTGGAAATGTAGTTAGGTTTTG 4860

4861 CATCGCAAAGCACTCAAAGATGTCGGTACAAAGGTAAAACCTTACGTACAAAATTTTA 4920

4921 AATAATGAAATCCGGAATATTGAAATCTTATTGGATGAAAAATATTAAAATAATTACAT 4980

4981 TTCTTAATGTTGGAAAAAAGGATACGATATCCCTAGTGGTGGAAAGTGTACCGGTGAT 5040

5041 CTCAGCCGTACATTGGATAATTCTCGTTATGACCAACCTAATCTTTAACCTGGAG 5100

5101 ATGGCAACAGGTAAATAAAAGTTCTCTCGTTAACTATCGAAAATTAGTGTAGTTT 5160

5161 TTCATCTATTGCATGAATAGATACGTCCACGTGATTACCTATCTATAGATACTACG 5220

5221 AGAACTATTAAATCTGGCAAAACTTTTATTATTATCTTCAAGTTAGATCTTAACA 5280

5281 CGTCATGGATCATTGATCACATGAAAGCATATAAATTAAAAATAAGAGAGAGAAAGAGAC 5340

5341 GTGTTGGTGTAAAGTGTACGTGAAGACAATTAAATTAGTAGGATGGTATGTCTTAATGACG 5400

5401 TAGGAGCTGCCTAAATATTCTTATAATCGTGACCGTTGATTATTAGTCACGGCTT 5460

5461 GATACAATTAAAGATTGACGGACGATGGTACCACGGCTTGACGGATCTCACACGCCCG 5520

5521 ATGACTTGTACGTGCGTAGATTCTGCCACGTTGACTGGTTAATACTAGATTATAA 5580

5581 CTCTATTAAATTATAACAACATCAAATCGGCGAATTAGAGAAAATACTATAGTATTA 5640

5641 TTATGATTATTATGAGATAATACTTATGAAATAAGATAATAATGGTAGTCATGATGTTA 5700

5701 TAGTGAGTGGGAAGGTAAGAGGTGGTGGAGAGATGATTAATGACCCCACGTGGTGGTG 5760

5761 CCAACAAGCACGTGTTCTCTTCTTTCTTCCAACTTCTTTGGGGTTTATT 5820

5821 GTGATTATAAAATCGGTTGTCGTTTTGTGACGAGCAGCAAAACAACGGAGCGT 5880

exon 8

5881 CATCGTCAGGAAGTGGTAGTTTCGACGTGGGAAACAACATGCCGTTGGAGGAG 5940

5941 GGCCAAGGCTATGTGCTGGTCAGAGCTAGCCAAGTTAGAAATGGCAGTGTATTACATC 6000

6001 ATCTAGTTCTAAATTCAATTGGATTAGCAGAAGATGATCAACCATTGCTTCTT 6060

6061 TTGTTGATTTCCTAACGGTTGCCTATTAGGGTTCTCGTATTCTGTAAAAAAAAAAA 6120

6121 AGATGAAAGTATTCTCTCTTTTGTATAATTAAATCATTTTGC 6180

6181 CCAATGATATATAAAAATTGGATAAATAATATTATTGGATATTGCTTTAGTCGGG 6240

6241 TTGAGAAAAGGGTTCGACTTCGAAAGTGGACGATGTATAGATTGGAGCTAGGT 6300

6301 GAGCTTTGGACATTGTATTGGATGTTGATTATTAGTGTGACACTATTAAACCTT 6360

6361 AAATGGGCTTCTATAAGGCCAATTATATTACGATTATAACAAAGTGACAACTTTACT 6420

6421 TCGTTTTGATCCGAAGCAATAACAAATTGTCAAATACCAAACACAAGAATTATGTAAAC 6480

6481 ACTCGTGTGTCTAGGGAAATCATTGGGCTGGAGACTGAACATCAGAACACAAGAAA 6540

6541 CCTGTCAATTATGGATACACCTCCTATGACGGTTCCAAACTTATCTGATTCTTATCG 6600

6601 TGTTACATTGACACAAAGAGTTAGGTGTCAAAAGGACTAAATGAATAACAATAGCTCTCA 6660

6661 GGATAAGAAGGTTCATAAAATGGTTCTTATTITGAGAAGAAAGAGAGAGGAGCTTTA 6720

6721 CTGTTCTGGTCCTATTCTTAAATGAGAGGGTTCGTTTACTCTTCTATCTCA 6780

6781 TCATCTTAGGATCCTCTTAGACGAGTAAAGTAATCCTCGTTACCAAGCAATGGTCTC 6840

6841 ATCTTTGAAGACAGGTCTTCCAAGTCCTAGTCAGGCCAAAGCTT 6888

FIG 10G

Applicant(s): Ricardo Azpiroz et al.

DWF4 POLYNUCLEOTIDES, POLYPEPTIDES AND USES

THEREOF

1 MFETEHHTLL PLLLPSLLS LLLLFLILLKR RNRKTRFNLP PGKSGWPFLG ETIGYLKPYT
61 ATTLGDFMQQ HVSKYGIYR SNLFGEPTIV SADAGLNRFI LQNEGRLFEC SYPRSIGGIL
121 GKWMSMLVLVG DMHRDMRSIS LNFLSHARLR TILLKDVERH TLFVLDWSQQ NSIFSAQDEA
181 KKFTFNLMAK HIMSMDPGEE ETEQLKKEYV TFMKGVVSAF LNLPGTAYHK ALQSRATILK
241 FIERKMEERK LDIKEEDQEE EEVKTTEDEAE MSKSDHVRKQ RTDDDLLGWV LKHSNLSTEQ
301 ILDLILSLLF AGHETSSVAI ALAIFLQAC PKAVEELREE HLEIARAKKE LGESELNWDD
361 YKKMDFTQCV INETLRLGNV VRFLHRKALK DVRYKGYDIP SGWKVLPVIS AVHLDNSRYD
421 QPNLFNPWRW QQQNNGASSS GSGSFSTWGN NYMPFGGGPR LCAGSELAKL EMAVFIHHLV
481 LKFNWELAED DQPFAPPFVD FPNGLPIRVS RIL

FIG. 11

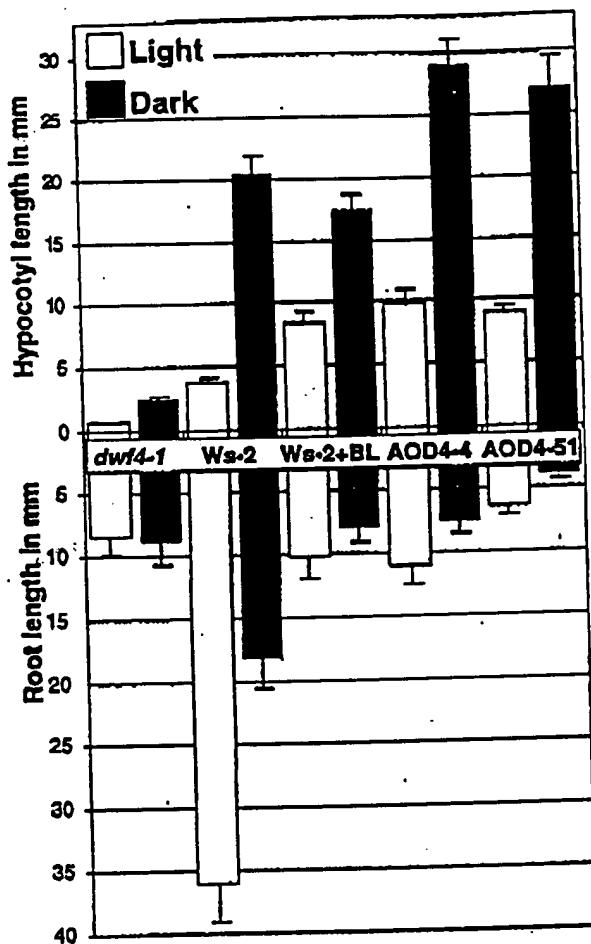


FIG. 12

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